AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings, of claims in the application.

Listing of Claims:

1. (currently amended) A lighting device comprising:

(a) a plurality of LEDs disposed in a radial array about a vertical axis;

(b) a central member having each LED mounted on a vertical surface thereof, the central member made of a thermally conductive material to conduct heat away from the LEDs, wherein the central member ~~has a centralized right angle prism with a square horizontal cross-section~~comprises three substantially identical right angle prisms with substantially identical square horizontal cross-sections with four vertical surfaces; and

(c) a hollow member having a dentated surface, wherein the dentated surface surrounds the LEDs to diffuse the light emitted from the LEDs.

2. (original) The lighting device of claim 1, further comprising a curved optical lens disposed about the vertical axis surrounding the hollow member, wherein the lens converges beams of light emanating from the hollow member in all horizontal directions.

3. (currently amended) The lighting device of claim 1 having twelve ~~or less~~ LEDs.

Claim 4 (canceled).

5. (original) The lighting device of claim 1, wherein the LEDs have a driving current of about 1-5 Watts.

6. (original) The lighting device of claim 1, wherein the LEDs are enclosed in an airtight enclosure.

7. (original) The lighting device of claim 1, wherein the central member is made of metal.

8. (original) The lighting device of claim 1, wherein the central member is in contact with a thermally conductive element, a portion of said thermally conductive element in contact with the air from outside of the lighting device.

9. (original) The lighting device of claim 1, wherein the LEDs are secured to the central member using a thermally conductive adhesive.

10. (canceled)

11. (original) The lighting device of claim 1, wherein the hollow member is made of an optically transparent, heat resistant material.

12. (original) The lighting device of claim 1, wherein the hollow member is made of glass.

13. (original) The lighting device of claim 1, further comprising a light socket base electrically connected to the LEDs.

14. (original) The lighting device of claim 1 designed to fit within a fresnel lens of a navigational light.

Claims 15-29 (canceled)

30. (currently amended) A lighting device comprising:

(a) a plurality of LEDs disposed in a radial array about a vertical axis;

(b) a central member having each LED mounted on a vertical surface thereof, the central member made of a thermally conductive material to conduct heat away from the LEDs, wherein the central member has a first and second circular disk mounted on opposed ends of the central member transverse to the vertical axis of the central member; and

(c) a hollow member having a dentated surface with a random pattern of microfaceted angles on the surface, wherein the microfaceted angles diffuse the light emitted from the LEDs

and wherein a first end of the hollow member is mounted in a first groove in the first circular disk and a second opposed end of the hollow member is mounted in a second groove in the second circular disk.

31. (previously presented) The lighting device of claim 30, having four LEDs in the radial array spaced 90 degrees apart in a common horizontal plane.

32. (previously presented) The lighting device of claim 30, wherein the dentated surface of the hollow member is sandblasted.

33. (previously presented) The lighting device of claim 30, wherein the central member has a centralized right angle prism with a square horizontal cross-section.

34. (currently amended) A lighting device comprising:

(a) a plurality of LEDs disposed in a radial array about a vertical axis;

(b) a central member having each LED mounted on a vertical surface thereof, wherein the central member comprises three substantially identical right angle prisms with substantially identical square horizontal cross-sections with four vertical surfaces and wherein the central member is made of a thermally conductive material to conduct heat away from the LEDs;

(c) a hollow member having a dentated surface with a random pattern of microfaceted angles on the surface, wherein the microfaceted angles diffuse the light emitted from the LEDs; and

(d) a curved optical lens disposed about the vertical axis surrounding the hollow member, wherein the lens converges beams of light emanating from the hollow member in all horizontal directions;

whereby light emanating from the LEDs passes through the dentated surface of the hollow member and the optical lens to provide a substantially uniform horizontal plane of light.

35. (previously presented) The lighting device of claim 34, wherein the lens includes a focal point in a horizontal plane that intersects the radial array of LEDs

Claims 36-38 (canceled)

39. (previously presented) The lighting device of claim 34, wherein the dentated surface of the hollow member is uniformly frosted.

40. (previously presented) The lighting device of claim 34, wherein the hollow member is a right circular tube.

Claims 41-42 (canceled)

43. (currently amended) The lighting device of claim ~~4234~~, wherein each vertical surface of the three substantially identical right angle prisms have one LED mounted thereon.

44. (previously presented) The lighting device of claim 43, wherein one LED is radially mounted every 30 degrees about the vertical axis.

Claims 45- 47 (canceled)

48. (new) A lighting device comprising:

(a) a plurality of LEDs disposed in a radial array about a vertical axis;

(b) a central member having each LED mounted on a vertical surface thereof, wherein the central member has a first and second circular disk mounted on opposed ends of the central member transverse to the vertical axis of the central member and wherein the central member is made of a thermally conductive material to conduct heat away from the LEDs;

(c) a hollow member having a dentated surface with a random pattern of microfaceted angles on the surface, wherein the microfaceted angles diffuse the light emitted from the LEDs and wherein a first end of the hollow member is mounted in a first groove in the first circular disk and a second opposed end of the hollow member is mounted in a second groove in the second circular disk; and

(d) a curved optical lens disposed about the vertical axis surrounding the hollow member, wherein the lens converges beams of light emanating from the hollow member in all horizontal directions;

whereby light emanating from the LEDs passes through the dentated surface of the hollow member and the optical lens to provide a substantially uniform horizontal plane of light.